



e) repeating steps a) through d) for a plurality of entries of operating information for the hardware resource, wherein each of the entries is respectively associated with a reuse of the hardware resource for a different application at a different point in time.

Claim 6 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein the information for operating the first hardware resource includes semi-static hardware control parameters.

Claim 7 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 6 wherein the semi-static hardware control parameters include flags, parameters, or states for the first hardware resource.

Claim 8 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein the information for operating the first hardware resource includes dynamic hardware control parameters.

Claim ~~10~~-9 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 8 wherein the dynamic hardware parameters are controlled by dedicated hardware resources.

Claim ~~11~~-10 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 7 wherein the hardware resources include at least one tracking finger.

Claim ~~12~~-11 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein the hardware resources include at least one searcher element.

Claim ~~13~~-12 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein the hardware resources include at least one downlink transmitter element.

Claim ~~14~~13 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein the hardware resources include at least one matched filter element.

Claim ~~15~~14 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim ~~15~~1 wherein the method further comprises the step of:

e) executing a pointer from a primary list of pointers that transfers control to a secondary list with operating information associated with the hardware resource.

Claim ~~16~~15 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim 1 wherein only the hardware resources in the secondary list that are grouped together for a specific category are enabled via the pointer from the primary list.

Claim ~~17~~16 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim ~~16~~15 wherein the secondary list has a pointer at the end of the operating information grouped together for the specific purpose, the pointer for the secondary list returning control to the primary list.

Claim ~~18~~17 (Currently Amended): The wireless communication ~~electronic~~-device recited in claim ~~16~~15 wherein the primary list has a plurality of pointers that point to at least one other list that tracks an identification of a user of hardware resources.

Claim ~~19~~18 (Currently Amended): In ~~an electronic~~-a wireless communication device having a processor, a computer readable memory, and at least one hardware resource all coupled to each other, a method of generating a scheduler for managing the hardware resource, the method comprising the steps of:

a) receiving at the ~~electronic~~-wireless communication device, a quantity of hardware resources available in the ~~electronic~~-wireless communication device;

b) receiving operation information for the hardware resource; and

c) generating a list in the memory for linking requests for using the hardware resource.



f) generating a second list that provides a pointer to operation information of hardware resources that have a common category.

Claim 26—25 (Currently Amended): A wireless communication system for communicating information between a host communication device and an external communication device, the system comprising:

a receiver for receiving a request for using a hardware resource in the host communication device for communicating to the external communication device of the wireless communication system;

means for modifying a scheduler for the hardware resources in computer memory of the host communication device to satisfy the request; and

means for operating the hardware resources in the host communication device according to the modified scheduler.

Claim 27—26 (Currently Amended): In ~~an electronic~~ wireless communication device having a processor, a means for storing a list of information, and at least one hardware resource coupled to each other, a method of operating the hardware resources, ~~the method~~ comprising the steps of:

a) locating a first address in the means for storing a list of information of the wireless communication device, the first address containing operating information associated with a first hardware resource;

b) transmitting operating information associated with the first address to the first hardware resource;

c) reading a pointer associated with the first address that locates a subsequent address for a subsequent hardware resource; and

d) repeating steps a) through c) for a quantity of pointers respectively associated with multiple hardware resources.